

**Iowa Department of Natural Resources  
Title V Operating Permit**

**Name of Permitted Facility:** Industrial Laminates/Norplex Inc.  
**Facility Location:** 665 Lybrand Street  
Postville, Iowa 52162

**Air Quality Operating Permit Number:** 99-TV-039  
**Expiration Date:** September 6, 2004

**EIQ Number:** 92-3842  
**Facility File Number:** 03-02-001

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**Responsible Official**

**Name:** Tom Flood  
**Title:** Vice President  
**Mailing Address:** P.O. Box 977  
665 Lybrand Street  
Postville, Iowa 52162  
**Phone #:** 319-864-7321

**Permit Contact Person for the Facility**

**Name:** Scott Loven  
**Title:** Health, Safety & Environmental Quality Manager  
**Mailing Address:** P.O. Box 977  
665 Lybrand Street  
Postville, Iowa 52162  
**Phone #:** 319-864-4227

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

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Christine Spackman, Supervisor of Air Operating Permits Section

Date

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## Abbreviations

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulation
°F.....	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
gr./dscf.....	grains per dry standard cubic foot
gr./100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
MVAC.....	motor vehicle air conditioner
NSPS.....	new source performance standard
ppmv.....	parts per million by volume
lb./hr.....	pounds per hour
lb./MMBtu.....	pounds per million British thermal units
TPY.....	Tons per year
USEPA.....	United States Environmental Protection Agency

## **Pollutants**

PM.....	particulate matter (equivalent to TSP, total suspended particulate)
PM <sub>10</sub> .....	Particulate matter ten microns and less in diameter
SO <sub>2</sub> .....	sulfur dioxide
NO <sub>x</sub> .....	nitrogen oxides
VOC.....	volatile organic compound
CO.....	carbon monoxide
HAP.....	hazardous air pollutant

# I. Facility Description and Equipment List

Facility Name: Industrial Laminates/Norplex Inc.

Permit Number: 99-TV-039

Facility Description: Plastic Laminate Manufacturing

Equipment List		
Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
119-001	119 UCR	Resin/Solvent Mixing for Treaters – Fugitives for 38 Mixing Tanks
120-001	120 UCR	Resin/Solvent Mixing for Treaters – Fugitives for 38 Mixing Tanks
999-008	999 LCR	Resin/Solvent Mixing for Treaters – Fugitives for 11 Mixing Tanks
201-001	Treater 201	Treater 201 (Heat Exchanger)
201-002	Treater 201	Treater 201
Retired-1	Treater 201	Treater 201 (By-Pass)
201-003	Treater 201	West End Room Vent – Fugitive Emissions from Treater 201
202-001	Treater 202	Treater 202
203-001	Treater 203	Treater 203 – Zone 1
203-002	Treater 203	Treater 203 – Zone 2
203-003	Treater 203	Treater 203 – Zone 3
203-004	Treater 203	Treater 203 – Zone 4
204-001	Treater 204	Treater 204 – Zone 1
204-002	Treater 204	Treater 204 – Zone 2
204-003	Treater 204	Treater 204 – Zone 3
204-004	Treater 204	Treater 204 – Zone 4
206-001	Treater 206	Treater 206 – Zone 1
206-002	Treater 206	Treater 206 – Zone 2
206-003	Treater 206	Treater 206 – Zone 3
206-004	Treater 206	Treater 206 – Zone 4
207-001	Treater 207	Treater 207 – Zone 1
207-002	Treater 207	Treater 207 – Zone 1
207-003	Treater 207	Treater 207 – Zone 2
207-004	Treater 207	Treater 207 – Zone 3
207-005	Treater 207	Treater 207 – Zone 3
207-006	Treater 207	Treater 207 – Zone 4

208-001	Treater 208	Treater 208 – Zone 1
208-002	Treater 208	Treater 208 – Zone 2
208-003	Treater 208	Treater 208 – Zone 2
208-004	Treater 208	Treater 208 – Zone 3
208-005	Treater 208	Treater 208 – Zone 3
210-001	210	West End of Treaters Room Vent – Fugitive Emissions from Treaters 202, 203, 204, 206, 207, 208
301-001	Press 301	Hot Water-Heated Hydraulic Laminate Press
302-001	Press 302	Hot Water-Heated Hydraulic Laminate Press
303-001	Press 303	Hot Water-Heated Hydraulic Laminate Press
304-001	Press 304	Hot Water-Heated Hydraulic Laminate Press
305-001	Press 305	Hot Water-Heated Hydraulic Laminate Press
404-001	Saw 404	Saw 404/Baghouse 404A
436-001	Trimmer	Edge Master 436/Baghouse 436B – Fugitive
496-001	Oven 496	Post-Bake Oven 496
950-001	Boiler 950	Boiler 950
951-001	Vaporizer	Propane Vaporizer – Fugitive
967-001	Chopper	Chopper/Baghouse 967 – Fugitive
969-001	402 Saw	402 Saw/Baghouse 969
969-001	403 Saw	403 Saw/Baghouse 969
969-001	404 Saw	404 Saw/Baghouse 969
969-001	405 Saw	405 Saw/Baghouse 969
969-001	418 Sander	418 Sander/Baghouse 969
969-001	420 Sander	420 Sander/Baghouse 969
999-003	Etcher	Etcher Room
999-016	Batch Still	Solvent Recovery from Batch Still
101-002	Tank 101	Phenolic Resin Storage Tank – 7,500 gallons
102-002	Tank 102	Phenolic Resin Storage Tank – 9,000 gallons
103-002	Tank 103	Phenolic Resin Storage Tank – 9,000 gallons
105-002	Tank 105	Ethanol Storage Tank – 5,000 gallons
106-002	Tank 106	Toluene Storage Tank – 4,500 gallons
107-002	Tank 107	Acetone Storage Tank – 7,500 gallons
108-002	Tank 108	Dimethyl Formamide Storage Tank – 7,500 gallons
109-002	Tank 109	Propylene Glycol Monomethyl Ether Storage Tank – 7,500 gallons
110-002	Tank 110	Isopropyl Alcohol Storage Tank – 1,500 gallons
122-002	Tank 112A	Epoxy Resin Storage Tank - 6,400 gallons – Fugitive

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**Insignificant Equipment List**

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<b>Insignificant Emission Unit Number</b>	<b>Insignificant Emission Unit Description</b>
<b>308</b>	<b>Hydraulic Oil Tank 308</b>
<b>497</b>	<b>Electric Post-Bake Oven 497</b>
<b>498</b>	<b>Post-Bake Oven 498</b>
<b>986</b>	<b>Tank Farm Make-Up Air Heater</b>
<b>995</b>	<b>Propane Storage Tank – 30,000 gallons</b>
<b>MW</b>	<b>Maintenance Welding</b>
<b>PW</b>	<b>Parts Washer</b>
<b>Tank 104</b>	<b>Santicizer 160 Storage Tank – 7,500 gallons</b>

## II. Plant-Wide Conditions

Facility Name: Industrial Laminates/Norplex Inc.  
Permit Number: 99-TV-039

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

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### Permit Duration

The term of this permit is: 5 years  
Commencing on: September 7, 1999  
Ending on: September 6, 2004

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

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*Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:*

Opacity (visible emissions): 40% opacity  
Authority for Requirement: 567--IAC 23.3(2)"d"

SO<sub>2</sub>: 500 parts per million  
Authority for Requirement: 567--IAC 23.3(3)"e"

Particulate Matter: Shall not exceed the amount determined from Table I (process weight rate) of Chapter 23 of the rules. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.  
Authority for Requirement: 567--IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567--IAC 23.3(2)"c"



### III. Emission Point-Specific Conditions

Facility Name: Industrial Laminates/Norplex Inc.

Permit Number: **99-TV-039**

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#### **Emission Point ID Number: 119-001 – Fugitive**

##### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): 119 UCR

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##### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 119 UCR

Emission Unit Description: Resin/Solvent Mixing for Treaters – Fugitives From 38 Mixing Tanks

Raw Material/Fuel: Resin/Solvent Mixture

Rated Capacity: 201,240 ft<sup>3</sup>/hour

##### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

##### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

##### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 120-001 – Fugitive Emissions**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): 120 UCR

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 120 UCR

Emission Unit Description: Resin/Solvent Mixing for Treaters – Fugitive Emissions From 38  
Mixing Tanks

Raw Material/Fuel: Resin/Solvent Mixture

Rated Capacity: 201,240 ft<sup>3</sup>/hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 999-008 – Fugitive**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): 999 LCR

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 999 LCR

Emission Unit Description: Resin/Solvent Mixing for Treaters – Fugitives From 11 Mixing Tanks

Raw Material/Fuel: Resin/Solvent Mixture

Rated Capacity: 201,240 ft<sup>3</sup>/hour

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 201-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 201

Emissions Control Equipment ID Number: TO 281

Emissions Control Equipment Description: Smith Engineering Thermal Oxidizer

Continuous Emissions Monitors ID Numbers: TIR-281

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 201

Emission Unit Description: Treater 201 (Heat Exchanger)

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 2.0 MMBtu/hour Natural Gas – 21.83 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 5.25 lb./hour

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): Total emissions from Treater 201 – EP 201-001, 201-002, and EP Retired-1 shall not exceed 33 tons/year.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Continuous recording of incinerator exit gas temperature (or equivalent).
2. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 201-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 201

Emissions Control Equipment ID Number: TO 281

Emissions Control Equipment Description: Smith Engineering Thermal Oxidizer

Continuous Emissions Monitors ID Numbers: TIR-281

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 201

Emission Unit Description: Treater 201

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 2.0 MMBtu/hour Natural Gas – 21.83 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 5.25 lb./hour

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): Total emissions from Treater 201 – EP 201-001, 201-002, and EP Retired-1 shall not exceed 33 tons/year.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Continuous recording of incinerator exit gas temperature (or equivalent).
2. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**



**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: Retired-1**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 201

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 201

Emission Unit Description: Treater 201 (By-Pass)

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 7,506 ft<sup>2</sup>/hour, 2.0 MMBtu/hour Natural Gas – 21.83 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 5.25 lb./hour

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): Total emissions from Treater 201 – EP 201-001, 201-002, and EP Retired-1 shall not exceed 33 tons/year.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation:

1. This emission unit shall be limited to zero hours of operation per year. (This limit was requested by the facility because the by-pass stack is capped and does not operate.)

Authority for Requirement: 567 IAC 22.108(13)

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly log of by-pass stack hours of operation.

Authority for Requirement: 567 IAC 22.108(3)"b"

2. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 87-A-031-S

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 201-003**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 201

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 201

Emission Unit Description: West End Room Vent – Fugitive Emissions from Treater 201

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 7,506 ft<sup>2</sup>/hour

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 202-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 202

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 202

Emission Unit Description: Treater 202

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 4.5 MMBtu/hour Natural Gas – 49.13 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 203-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 203

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 203

Emission Unit Description: Treater 203 – Zone 1

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)



Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 203-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 203

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 203

Emission Unit Description: Treater 203 – Zone 2

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 203-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 203

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 203

Emission Unit Description: Treater 203 – Zone 3

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 203-004**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 203

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 203

Emission Unit Description: Treater 203 – Zone 4

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 204-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 204

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 204

Emission Unit Description: Treater 204 – Zone 1

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)



Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 204-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 204

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 204

Emission Unit Description: Treater 204 – Zone 2

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 204-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 204

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 204

Emission Unit Description: Treater 204 – Zone 3

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 204-004**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 204

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 204

Emission Unit Description: Treater 204 – Zone 4

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 3.5 MMBtu/hour Natural Gas – 38.21 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 206-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 206

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 206

Emission Unit Description: Treater 206 – Zone 1

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.625 MMBtu/hour Natural Gas – 17.74 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)



Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 206-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 206

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 206

Emission Unit Description: Treater 206 – Zone 2

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.5 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 206-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 206

---

### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 206

Emission Unit Description: Treater 206 – Zone 3

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.5 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 206-004**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 206

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 206

Emission Unit Description: Treater 206 – Zone 4

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.5 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: 567 IAC 22.108(13)

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 207-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 1

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.50 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2



Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 207-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 1

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.50 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 207-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 2

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.50 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"



## **Emission Point ID Number: 207-004**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 3

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.50 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 207-005**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 3

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.50 MMBtu/hour Natural Gas – 16.38 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 207-006**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 207

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 207

Emission Unit Description: Treater 207 – Zone 4

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 1.350 MMBtu/hour Natural Gas – 14.74 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

Process throughput when burning natural gas:

1. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

3. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.
4. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**



**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 208-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 208

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 208

Emission Unit Description: Treater 208 – Zone 1

Raw Material/Fuel: Compounded Resin

Rated Capacity: 4,634 acfm

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.

3. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 208-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 208

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 208

Emission Unit Description: Treater 208 – Zone 2

Raw Material/Fuel: Compounded Resin

Rated Capacity: 4,634 acfm

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.

3. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 208-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 208

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 208

Emission Unit Description: Treater 208 – Zone 2

Raw Material/Fuel: Compounded Resin

Rated Capacity: 4,634 acfm

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.

3. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 208-004**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 208

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 208

Emission Unit Description: Treater 208 – Zone 3

Raw Material/Fuel: Compounded Resin

Rated Capacity: 4,634 acfm

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.



3. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 208-005**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Treater 208

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Treater 208

Emission Unit Description: Treater 208 – Zone 3

Raw Material/Fuel: Compounded Resin

Rated Capacity: 4,634 acfm

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: Total emissions from Treater 207 and Treater 208 shall not exceed  
430,000 lb./year

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of VOC emissions shall be kept for lines 207 and 208. Any anticipated or actual exceedance of the total VOC limit shall be immediately reported to the DNR in writing with a complete explanation as the circumstances.

Authority for Requirement: Iowa DNR Construction Permit 88-A-003-S2

2. Monthly quantity of all resins, solvents, and other laminate materials used in Treaters 207 and 208.

3. Calculate and record the monthly total and 12-month rolling average of Volatile Organic Compounds (VOC) emissions from Treaters 207 and 208 based on the quantity of laminate materials used and the VOC content of the laminate material listed on either the Material Safety Data Sheet (MSDS), Certified Product Data Sheet (CPDS), or a batch analysis.

Authority for Requirement: 567 IAC 22.108(3)"b"

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 210-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): 210

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 210

Emission Unit Description: West End of Treaters Room Vent – Fugitive Emissions from  
Treaters 202, 203, 204, 206, 207, 208

Raw Material/Fuel: Natural Gas, Propane Back-up, and Compounded Resin

Rated Capacity: 905,201 ft<sup>3</sup>

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 301-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Press 301

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Press 301

Emission Unit Description: Hot Water-Heated Hydraulic Laminate Press

Raw Material/Fuel: B-Stage Laminates

Rated Capacity: 2,049 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 302-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Press 302

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Press 302

Emission Unit Description: Hot Water-Heated Hydraulic Laminate Press

Raw Material/Fuel: B-Stage Laminates

Rated Capacity: 2,049 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 303-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Press 303

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Press 303

Emission Unit Description: Hot Water-Heated Hydraulic Laminate Press

Raw Material/Fuel: B-Stage Laminates

Rated Capacity: 2,732 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 304-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Press 304

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Press 304

Emission Unit Description: Hot Water-Heated Hydraulic Laminate Press

Raw Material/Fuel: B-Stage Laminates

Rated Capacity: 2,732 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



**Emission Point ID Number: 305-001**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Press 305

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Press 305

Emission Unit Description: Hot Water-Heated Hydraulic Laminate Press

Raw Material/Fuel: B-Stage Laminates

Rated Capacity: 2,732 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 404-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Saw 404

Emissions Control Equipment ID Number: BH 404A

Emissions Control Equipment Description: Air Sentry Baghouse

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Saw 404

Emission Unit Description: Saw 404/Baghouse 404A

Raw Material/Fuel: Laminate

Rated Capacity: 0.26 lb./hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Indicator Opacity: No Visible Emissions<sup>(1)</sup>

<sup>(1)</sup> If visible emissions are observed other than startup, shutdown or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

Authority for Requirement: Iowa DNR Construction Permit 97-A-601

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Iowa DNR Construction Permit 97-A-601

Pollutant: PM-10

Emission Limits: 0.26 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 97-A-601

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

Stack Height (feet): 10

Stack Diameter (inches): 8 x 12

Stack Exhaust Flow Rate (scfm): 1,352

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 97-A-601

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading indicating if the indicator opacity was exceeded. The records shall be maintained for five years.

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 436-001 - Fugitive**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Trimmer

Emissions Control Equipment ID Number: BH 436B

Emissions Control Equipment Description: Torit Baghouse – Vents Inside

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Trimmer

Emission Unit Description: Edge master 436/Baghouse 436B – Fugitive

Raw Material/Fuel: Laminate

Rated Capacity: 0.29 lb./hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Fugitive Dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 496-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Oven 496

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Oven 496

Emission Unit Description: Post-Bake Oven 496

Raw Material/Fuel: Natural Gas and Propane Back-up

Rated Capacity: 0.75 MMBtu/hour Natural Gas – 8.19 gallons/hour Propane

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM<sub>10</sub><sup>1</sup>

Emission Limits: 0.01 gr./dscf, 0.07 lb/hr, 0.30 Tons/yr

<sup>1</sup>All particulate is assumed to be PM<sub>10</sub>.

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

Pollutant: NO<sub>x</sub>

Emission Limits: 0.08 lb/hr, 0.33 Tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This source is limited to the use of natural gas or propane fuel only.

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

Process throughput when burning natural gas:

1. The amount of natural gas that may be used in this oven is limited to 6.57 MMft<sup>3</sup>/year (6.57 million cubic feet per year).

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

2. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

**Reporting & Record keeping:**

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of type of fuel(s) used.
2. Monthly quantity and 12-month rolling average of all natural gas used.

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Additional Requirements**

*This emission point shall conform to the conditions listed below.*

Stack Height (feet): 11.0

Stack Diameter (inches): 5 x 22

Stack Exhaust Flow Rate (scfm): 800

Stack Temperature (°F): 475

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-344

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading indicating if the indicator opacity was exceeded. The records shall be maintained for five years.

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



## **Emission Point ID Number: 950-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Boiler 950

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Boiler 950

Emission Unit Description: Boiler

Raw Material/Fuel: Natural Gas and Propane Back-up

Rated Capacity: 77.641 MMBtu/hour Natural Gas

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.8 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limits: 500 ppmv

Limit when burning propane.

Authority for Requirement: 567 IAC 23.3(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Process throughput:

1. This emission unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: Iowa DNR Construction Permit 73-A-100-S2

Process throughput when burning natural gas:

- A. The sulfur content of natural gas combusted by this source is not to exceed twenty-five (25) grains per 100 standard cubic feet of input gas.

Authority for Requirement: 567 IAC 23.3(3)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Records of fuel(s) consumed.

Authority for Requirement: Iowa DNR Construction Permit 73-A-100-S2

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 951-001 – Fugitive**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Vaporizer

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Vaporizer

Emission Unit Description: Propane Vaporizer – Fugitive

Raw Material/Fuel: Propane

Rated Capacity: 2 MMBtu/hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 967-001 - Fugitive**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Chopper

Emissions Control Equipment ID Number: BH 967

Emissions Control Equipment Description: Torit Baghouse – Vents Inside

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Chopper

Emission Unit Description: Chopper/Baghouse 967 – Fugitive

Raw Material/Fuel: B-stage Material

Rated Capacity: 4 lb./hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Fugitive Dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"

### **Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

### **Periodic Monitoring Requirements**

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 969-001**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): 402 Saw, 403 Saw, 404 Saw, 405 Saw, 418 Sander, 420 Sander, and Milling Machine 540

Emissions Control Equipment ID Number: BH 969

Emissions Control Equipment Description: UOP Air Correction Baghouse

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: 402 Saw

Emission Unit Description: 402 Saw/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: 403 Saw

Emission Unit Description: 403 Saw/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: 404 Saw

Emission Unit Description: 404 Saw/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: 405 Saw

Emission Unit Description: 405 Saw/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: 418 Sander

Emission Unit Description: 418 Sander/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: 420 Sander

Emission Unit Description: 420 Sander/Baghouse 969

Raw Material/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

Emission Unit vented through this Emission Point: Milling Machine 540

Emission Unit Description: Milling Machine 540

Raw Material:/Fuel: Laminate Material

Rated Capacity: Baghouse - 15,199 acfm

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: Iowa DNR Construction Permit 97-A-600

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"  
Iowa DNR Construction Permit 97-A-600

Pollutant: PM-10

Emission Limits: 7.58 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 97-A-600

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

Stack Height (feet): 45.5

Stack Diameter (inches): 27

Stack Exhaust Flow Rate (scfm): 15,199

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 97-A-600

### **Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

#### **Stack Testing:**

Pollutant – PM<sub>10</sub>

1st Stack Test to be Completed by (date) - September 7, 2001

Test Method – 201 A with 202, 40 CFR 51

Authority for Requirement - 567 IAC 22.108(3)"b"

Pollutant – TSP

1st Stack Test to be Completed by (date) - September 7, 2001

Test Method – Iowa Compliance Sampling Manual

Authority for Requirement - 567 IAC 22.108(3)"b"

*The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐**

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 999-003**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Etcher

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Etcher

Emission Unit Description: Etcher

Raw Material/Fuel: Copper Clad Laminate Samples

Rated Capacity: 120 ft<sup>2</sup>/hour

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limits: 40 %

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Hours of operation:

1. This emission unit shall be limited to zero hours of operation per year. (This limit was requested by the facility.)

Authority for Requirement: 567 IAC 22.108(13)

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly log of etcher hours of operation.

Authority for Requirement: 567 IAC 22.108(3)"b"



**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 999-016**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Batch Still

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Batch Still

Emission Unit Description: Batch Still Condenser

Raw Material/Fuel: Waste Solvent

Rated Capacity: 90 gallons/hour

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 101-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 101

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 101  
Emission Unit Description: Phenolic Resin Storage Tank – 7,500 gallons  
Raw Material/Fuel: Phenolic Resin  
Rated Capacity: 547,980 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)  
Emission Limit(s): 0.5 tons/12 months  
Authority for Requirement: Iowa DNR Construction Permit 92-A-642-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 7,500 gallons
3. Permitted Capacity: 547,980 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 92-A-642-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 547,980 gallons/12 months was based on phenolic resin. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 92-A-642-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 547,980 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 92-A-642-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 92-A-642-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 425

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 92-A-642-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 102-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 102

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 102

Emission Unit Description: Phenolic Resin Storage Tank – 9,000 gallons

Raw Material/Fuel: Phenolic Resin

Rated Capacity: 1,000,000 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 92-A-640-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 9,000 gallons
3. Permitted Capacity: 1,000,000 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 92-A-640-S was based on the above capacities.

Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

Process Throughput:

The gallons per year limitation of 1,000,000 gallons/12 months was based on phenolic resin. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 92-A-640-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 1,000,000 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 92-A-640-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 92-A-640-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 425

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 92-A-640-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 103-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 103

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 103

Emission Unit Description: Phenolic Resin Storage Tank – 9,000 gallons

Raw Material/Fuel: Phenolic Resin

Rated Capacity: 722,544 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 92-A-641-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 9,000 gallons
3. Permitted Capacity: 722,544 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 92-A-641-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 722,544 gallons/12 months was based on phenolic resin. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 92-A-641-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 722,544 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 92-A-641-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 92-A-641-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 425

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 92-A-641-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



## **Emission Point ID Number: 105-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 105

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 105

Emission Unit Description: Ethanol Storage Tank – 5,000 gallons

Raw Material/Fuel: Ethanol

Rated Capacity: 1,191,800 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-025-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 5,000 gallons
3. Permitted Capacity: 1,191,800 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-025-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 1,191,800 gallons/12 months was based on ethanol. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-025-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 1,191,800 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-025-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-025-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 262

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-025-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 106-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 106

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 106

Emission Unit Description: Toluene Storage Tank – 4,500 gallons

Raw Material/Fuel: Toluene

Rated Capacity: 1,134,640 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-026-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 4,500 gallons
3. Permitted Capacity: 1,130,640 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-026-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 1,130,640 gallons/12 months was based on toluene. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-026-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 1,130,640 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-026-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-026-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 425

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-026-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 107-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 107

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 107

Emission Unit Description: Acetone Storage Tank – 7,500 gallons

Raw Material/Fuel: Acetone

Rated Capacity: 204,380 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-030-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 7,500 gallons
3. Permitted Capacity: 204,380 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-030-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 204,380 gallons/12 months was based on acetone. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-030-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 204,380 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-030-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-030-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 454

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-030-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 108-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 108

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 108

Emission Unit Description: Dimethyl Formamide Storage Tank – 7,500 gallons

Raw Material/Fuel: Dimethyl Formamide

Rated Capacity: 11,399,000/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-027-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 7,500 gallons
3. Permitted Capacity: 11,399,000 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-027-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 11,399,000 gallons/12 months was based on Dimethyl Formamide. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-027-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 11,399,000 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-027-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-027-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 593

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-027-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"



## **Emission Point ID Number: 109-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 109

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 109

Emission Unit Description: Phenolic Resin Storage Tank – 7,500 gallons

Raw Material/Fuel: Propylene Glycol Monomethyl Ether

Rated Capacity: 3,085,00 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-029-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 7,500 gallons
3. Permitted Capacity: 3,085,000 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-029-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 3,085,000 gallons/12 months was based on Propylene Glycol Monomethyl Ether. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-029-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 3,085,000 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-029-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-029-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 703

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-029-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **Emission Point ID Number: 110-002**

### Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 110

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### **Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 110

Emission Unit Description: Phenolic Resin Storage Tank – 1,500 gallons

Raw Material/Fuel: Isopropyl Alcohol

Rated Capacity: 1,100,000 gallons/12 months

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.5 tons/12 months

Authority for Requirement: Iowa DNR Construction Permit 91-A-028-S

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### Equipment Capacity:

The maximum capacity of the equipment must be the following:

1. Equipment: Liquid Storage Tank
2. Manufacturer's Rating: 1,500 gallons
3. Permitted Capacity: 1,100,000 gallons/12 months

Reminder: The evaluation and issuance of Iowa DNR Construction Permit 91-A-028-S was based on the above capacities.

#### Work Practice Standards:

This tank must be within a building where the temperature deviation is less than 10 degrees Fahrenheit throughout the year.

#### Process Throughput:

The gallons per year limitation of 1,100,000 gallons/12 months was based on isopropyl alcohol. If any other liquid is used, the company must demonstrate compliance with the 0.5 tons/year VOC limitation by using the records required by Iowa DNR Construction Permit 91-A-028-S.

Reporting & Record keeping:

The following records shall be maintained on-site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources:

1. Monthly records must be kept which show the following for each liquid stored in the tank.
  - A. Throughput
  - B. Vapor pressure
  - C. Molecular weight

The permittee is responsible for demonstration compliance with the gallons per year limitation of 1,100,000 gallons/12 months and the limitation of 0.5 tons/year VOC from Iowa DNR Construction Permit 91-A-028-S, using these records.

Authority for Requirement: Iowa DNR Construction Permit 91-A-028-S

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Source Emission Characteristics**

*The source shall be ducted to the stack detailed below.*

Stack Height (feet): 26

Stack Diameter (inches): 2

Stack Exhaust Flow Rate (scfm): 541

Stack Temperature (°F): ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Location: Stack is located by the solvent storage building. The source number, permit number must be labeled on the stack.

Authority for Requirement: Iowa DNR Construction Permit 91-A-028-S

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

**Emission Point ID Number: 122-002**

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): Tank 122A

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**Applicable Requirements**

(If more than one emission unit vents through this emission point subdivide the applicable requirements by emission unit.)

Emission Unit vented through this Emission Point: Tank 122A

Emission Unit Description: Epoxy Resin Storage Tank – 6,400 gallons

Raw Material/Fuel: Epoxy Resin

Rated Capacity: 6,400 gallons

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

No emission limits at this time.

**Compliance Plan**

*The owner/operator of this equipment shall comply with the applicable requirements listed below.*

**This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term, this source will comply with such requirements in a timely manner.**

**Periodic Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic monitoring requirements listed below.*

**Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒**

Relevant requirements of O & M plan for this equipment:

**Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒**

Authority for Requirement: 567 IAC 22.108(3)"b"

## **IV. General Conditions**

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

### **G1. Duty to Comply**

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"3.*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

### **G2. Permit Expiration**

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

### **G3. Certification Requirement for Title V Related Documents**

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

### **G4. Annual Compliance Certification**

On March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides

for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

#### **G5. Semi-Annual Monitoring Report**

On March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5).*

#### **G6. Annual Fee**

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
  - a. Form 1.0 "Facility Identification";
  - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
  - c. Form 5.0 "Title V annual emissions summary/fee"; and
  - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
  - a. Form 1.0 "Facility Identification";
  - b. Form 5.0 "Title V annual emissions summary/fee";
  - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

**G7. Inspection of Premises, Records, Equipment, Methods and Discharges**

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

**G8. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

**G9. General Maintenance and Repair Duties**

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

**G10. Recordkeeping Requirements for Compliance Monitoring**

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records:

- a. The date, place and time of sampling or measurements
- b. The date the analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.



3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

#### **G11. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

#### **G12. Hazardous Release**

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2)*. *567 IAC Chapter 131-State Only*

#### **G13. Excess Emissions and Excess Emissions Reporting Requirements**

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

## 2. Excess Emissions Reporting

a. **Oral Reporting of Excess Emissions.** An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. **Written Reporting of Excess Emissions.** A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

3. **Emergency Defense for Excess Emissions.** For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

#### **G14. Permit Deviation Reporting Requirements**

A deviation is an instance when any condition of this permit is violated. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above. Any violation of an applicable requirement shall be reported to the appropriate regional office by telephone or in person within seven (7) days of the violation. This report shall include the probable cause of such violation, and any corrective actions or preventive measures taken. Any other deviations shall be documented in the semi-annual report. *567 IAC 22.108(5)"b"*.

#### **G15. Notification Requirements for Sources That Become Subject to NSPS and HAP Regulations**

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants) or section 112 of the Act. This notification shall be submitted in writing to the department 30 days before the source becomes subject to the afore-mentioned standard or other requirement. *40 CFR part 63.9 as adopted in 567 IAC 23.1(4); 40 CFR part 60.7 as adopted in 567 IAC 23.1(2)*

#### **G16. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification**

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
  - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
  - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
  - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
  - d. The changes are not subject to any requirement under Title IV of the Act.
  - e. The changes comply with all applicable requirements.
  - f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

- i. A brief description of the change within the permitted facility,
  - ii. The date on which the change will occur,
  - iii. Any change in emission as a result of that change,
  - iv. The pollutants emitted subject to the emissions trade
  - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
  - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
  - vii. Any permit term or condition no longer applicable as a result of the change.
- 567 IAC 22.110.(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110.(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110.(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110.(4)*

5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103.(2)*

6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108 (11)*

#### **G17. Duty to Modify a Title V Permit**

##### **1. Administrative Amendment.**

a. An administrative permit amendment is a permit revision that is required to do any of the following:

- i. Correct typographical errors
- ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
- iii. Require more frequent monitoring or reporting by the permittee; or
- iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

## 2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

i. Do not violate any applicable requirements

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.

iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113*

The permittee shall submit an application for a significant permit modification at least 6 months, but not more than 18 months prior to the date of the proposed modification. *567 IAC 22.105(1)a(2)*

#### **G18. Duty to Obtain Construction Permits**

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

#### **G19. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *IAC 23.1(3)"a", and 567 IAC 23.2*

#### **G20. Open Burning**

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

#### **G21. Acid Rain (Title IV) Emissions Allowances**

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

#### **G22. Stratospheric Ozone and Climate Protection (Title VI) Requirements**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

### **G23. Permit Reopenings**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
  - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
  - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:
  - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
  - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
  - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
  - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
  - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

#### **G24. Permit Shield**

Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit as of the date of permit issuance.

This permit shield shall not alter or affect the following:

1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *IAC 22.108 (18)*

#### **G25. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*



**G26. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

**G27. Transferability**

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

**G28. Disclaimer**

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. *567 IAC 22.3(3)"c"*

**G29. Notification and Reporting Requirements for Stack Tests or Monitor Certification**

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator

Iowa DNR, Air Quality Bureau  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

*567 IAC 25.1(7)"a", 567 IAC 25.1(9)*

**G30. Prevention of Air Pollution Emergency Episodes**

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

### **G31. Contacts List**

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits  
EPA Region 7  
Air Permits and Compliance Branch  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101  
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau  
Iowa Department of Natural Resources  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

#### **Field Office 1**

900 West Main – Suite D  
Manchester, IA 52057  
(319) 927-2640

#### **Field Office 2**

P.O. Box 1443  
2300-15th St., SW  
Mason City, IA 50401  
(515) 424-4073

#### **Field Office 3**

1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

#### **Field Office 4**

706 Sunnyside  
Atlantic, IA 50022  
(712) 243-1934

#### **Field Office 5**

607 East 2nd St.  
Des Moines, IA 50309  
(515) 281-9069

#### **Field Office 6**

1004 W. Madison  
Washington, IA 52353  
(319) 653-2135

#### **Polk County Public Works Dept.**

Air Quality Division  
5895 NE 14th St.  
Des Moines, IA 50313  
(515) 286-3351

#### **Linn County Health Dept.**

Air Pollution Control Division  
501 13th St., NW  
Cedar Rapids, IA 52405  
(319) 398-3551